

From: David Garrett [david@davidgarrettpe.com]
Sent: Tuesday, August 18, 2009 2:16 PM
To: Wootton, Brian
Subject: CMS Landfill
Attachments: subgrade inspection report Cell 2H.pdf; CMS piezometer
abandonment report Phase 2H.pdf

Brian, the attached is submitted on behalf of CMS, per Mike Gurley's request. Please contact me with questions regarding this submittal.

David Garrett, P.G., P.E.
David Garrett & Associates
5105 Harbour Towne Drive
Raleigh, NC 27604

Tel. 919-418-4375 (mobile)

David Garrett & Associates

Engineering and Geology



August 11, 2009

Messrs. Brian Wootton and John Murray
NC DENR Division of Waste Management
Solid Waste Section
401 Oberlin Road
Raleigh, North Carolina, 27611

RE: **Geologist's Subgrade Inspection Report**
CMS Landfill-V (MSWLF) – Cell 2H
Permit #13-04 (Cabarrus County)

Dear Sirs:

On behalf of BFI Waste Systems of North America (a division of Republic Services), I am pleased to present this report pertaining to a subgrade inspection for the referenced landfill construction. Cell 2H is located in Phase 2 (the last cell in that phase), within a previously approved footprint. This report is based on first-hand inspection of subgrade conditions, prior involvement with previous cells, and revised subgrade contours prepared by Brown and Caldwell and furnished by Earnhardt Grading. I visited the site on June 18, 2009 in conjunction with piezometer abandonment activities and observed the grading in progress. Based on the grading plan, cuts and fills are generally on the order of 2 to 4 feet, except at the sumps where cuts on the order of 6 to 8 feet were performed (see attached figure).

The subgrade inspection was made per North Carolina Solid Waste regulations, 15A NCAC 13B .1600 and/or subsequent regulatory protocols. The inspection requires that the owner's geologist or engineer examine the cell excavation and note any pertinent geologic features exposed during the construction process. The Owner shall notify the NC DENR Solid Waste Section Hydrogeologist of these findings prior to placement of any waste material. In recent experience, a certification has been required stating that the subgrade soils and other conditions are consistent with the approved plans, or noting any differences. This letter completes the required notification and certification.

Observed subgrade soils generally consist of tan-orange variably sandy and silty clay, as expected based on site history. The west side of the cell has two diabase dikes mapped, but only dark red clayey soil and an occasional small boulder was exposed. Other quartz gravel and small cobbles were exposed, but no bedrock or large boulders were encountered. Soil conditions in Cell 2H were consistent with that is Cells 2F and 2G, except that no large boulders or zones of partially weathered rock (exposed in those cells) were observed this time.

5105 Harbour Towne Drive • Raleigh • North Carolina • 27604
919-418-4375 (Mobile) • 919-231-1818 (Office fax) • E-mail: david@davidgarrettpe.com

The Phase 2 permit documents showed bedrock and ground water to be several feet below finished grades – vertical separation within Cell 2H was not a concern during permitting. No ground water, seeps, or perched water were observed along the exposed subgrade. No wet or soft soils requiring undercutting were observed within Cell 2H. All piezometers within Cell 2H were abandoned (see separate correspondence).

As such, the exposed subgrade conditions appear consistent with the expectations determined in the original permitting and conditions observed in previous cells. Based on these findings, I recommend no modifications to the Ground Water Monitoring Plan or base grades. No further geologic evaluations of Cell 2H are warranted.

Please contact me if I can provide any additional data.

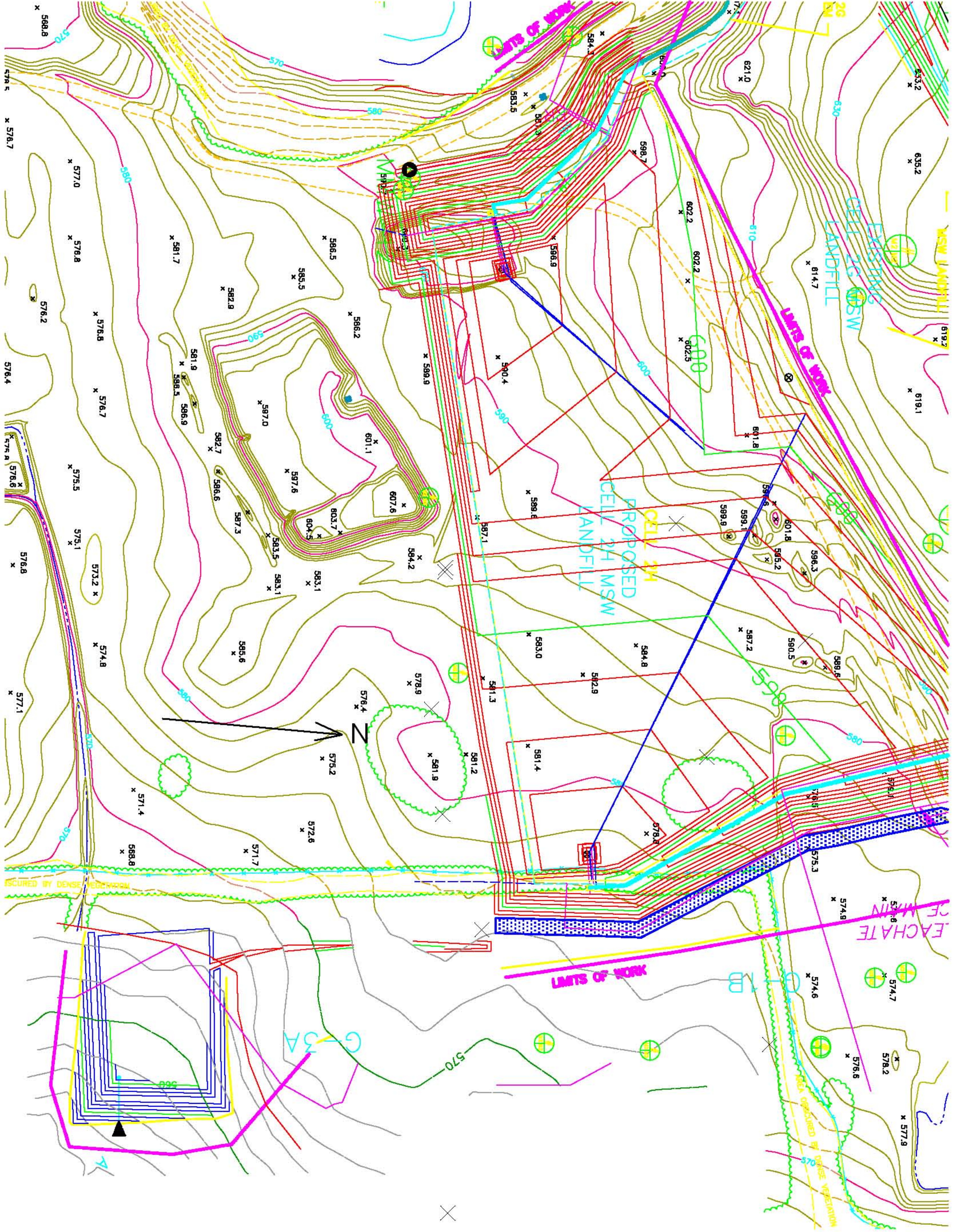
Sincerely,

A handwritten signature in black ink, appearing to read 'G. David Garrett', is positioned above the printed name.

G. David Garrett, P.G., P.E.
Consulting Engineer

cc: Mr. Mike Gurley – Environmental Manager, BFI

Attachment: Excerpt of construction plan by Brown and Caldwell,
(furnished by Earnhardt Grading)



David Garrett & Associates

Engineering and Geology



August 11, 2009

Mr. Brian Wootton, Hydrogeologist
NC DENR Division of Waste Management
Solid Waste Section
401 Oberlin Road
Raleigh, North Carolina, 27611

RE: **Piezometer Abandonment Records**
CMS Landfill-V (MSWLF) – Cell 2H
Permit #13-04 (Cabarrus County)

Dear Sirs:

On behalf of BFI Waste Systems of North America (a division of Republic Services), I am pleased to present this documentation of the abandonment of piezometers within and near the footprint of Cell 2H. The work was performed in July 2009 by Red Dog Drilling, Inc., under my responsible charge. Please refer to the following attached documents:

- Site Map from original permit application showing abandonment locations
- Well Abandonment Records, Form GW-30, prepared by Red Dog Drilling

The piezometers were abandoned by over drilling to remove all downhole materials and grouting to the surface with bentonite-cement slurry. Please note that four soil borings that did not encounter significant water – hence these were not fitted with piezometers – were not abandoned; these had been backfilled upon completion of the site investigation.

Please contact me if I can provide any additional data.

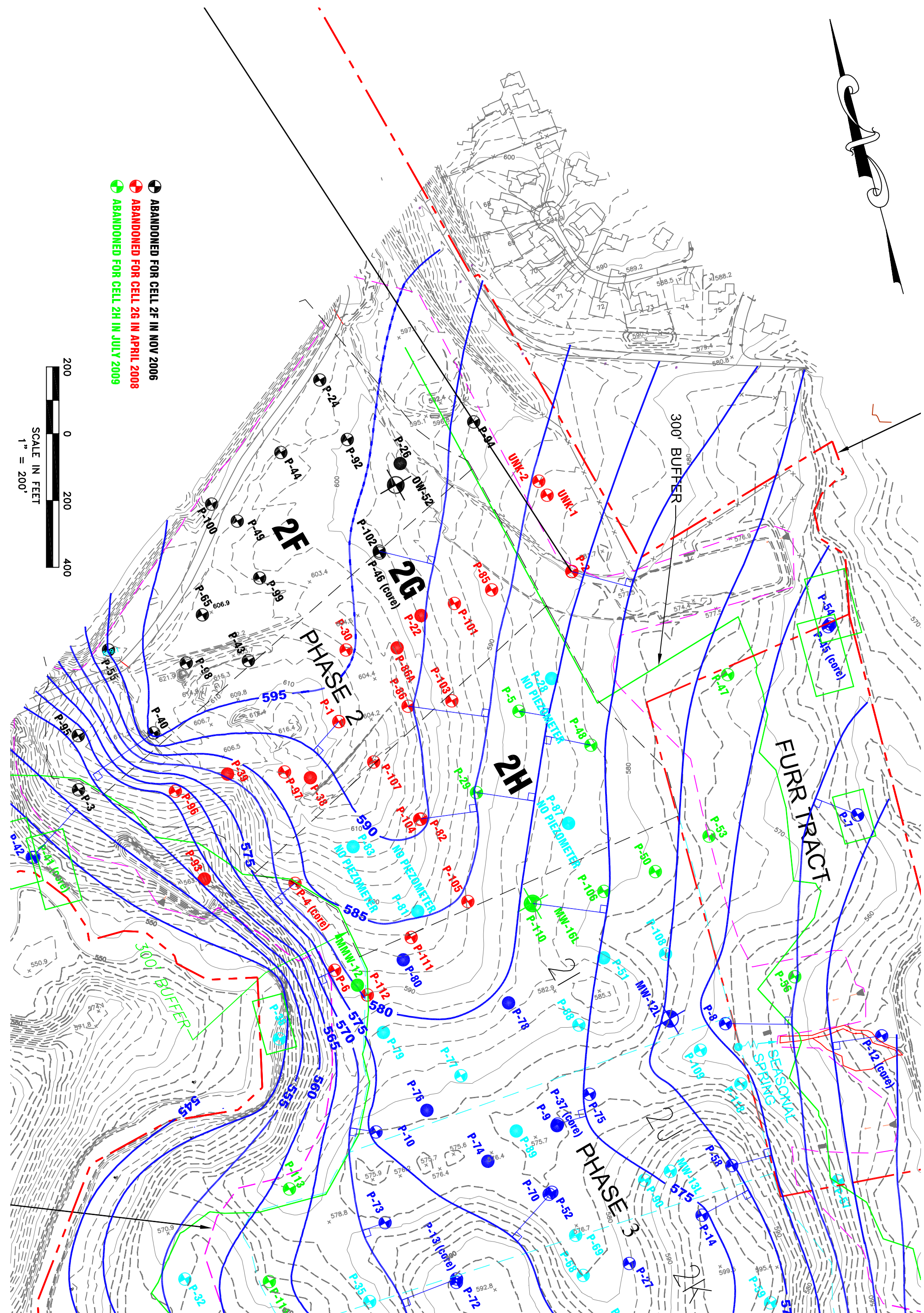
Sincerely,

A handwritten signature in black ink, appearing to read "G. David Garrett".

G. David Garrett, P.G., P.E.
Consulting Engineer

cc: Mr. Mike Gurley – Environmental Manager, BFI

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919-418-4375 (Mobile) • 919-231-1818 (Office fax) • E-mail: david@davidgarrettpe.com



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-5

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 15.8 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 7.4 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length Diameter

a. Casing Depth (if known): 15.8 ft. 2 in.

b. Casing Removed: 15.8 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement 94 lb.
Water 7.5 gal.

Sand Cement

Cement lb.
Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent - Grout

Amount 25 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/8/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL.

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789**1. WELL CONTRACTOR:**

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland

NC

28107

City or Town

State

Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable)

P-29

STATE WELL PERMIT # (if applicable)

N/A

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural☐ Recovery ☐ Injection ☐ Irrigation☐ Other (list use) Piezometer**3. WELL LOCATION:**

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal formatLatitude/longitude source: ☐ GPS ☐ Topographic map(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 30.5 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 12.9 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 30.5 ft. 2 in.

b. Casing Removed: 30.5 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:Neat CementSand CementCement 94 lb.
Water 7.5 gal.Cement lb.
Water gal.Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent-GROUT

Amount 45 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this
form showing total depth, depth and diameter of screens (if any) remaining
in the well, gravel interval, intervals of casing perforations, and depths and
types of fill materials used.**11. DATE WELL ABANDONED**

6/9/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE
WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF
THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR

DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well
in accordance with 15A NCAC 2C.0113.)

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617. Phone No. (919) 733-7015 ext 568.

Form GW-30

Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-110

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Read Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

May be in degrees, minutes, seconds, or in a decimal format

LONGITUDE

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 20.1 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 115 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 20.1 ft. 2 in.

b. Casing Removed: 20.1 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.

Cement lb.

Water 7.5 gal.

Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent-Grout

Amount 30 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/10/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

DATE 7/20/09

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C.0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617. Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-16L

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 20 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 12.4 ft.
Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 20 ft. 2 in.

b. Casing Removed: 20 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65% or 75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.
Water 7.5 gal.

Cement lb.
Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent - Grout

Amount 30 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/10/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Signature of Certified Well Contractor
SIGNATURE OF CERTIFIED WELL CONTRACTOR

6/30/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland

NC

28107

City or Town

State

Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-48

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Read Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 275 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 8.5 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 27.5 ft. 2 in.

b. Casing Removed: 27.5 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65% or 75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.
Water 7.5 gal.

Cement lb.
Water gal.

Bentonite

Bentonite lb.

Type: ☒ Slurry ☐ Pellets

Water gal.

Other

Type material Bent. Grout

Amount 40 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/10/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE
WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF
THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Signature of Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well
in accordance with 15A NCAC 2C .0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-106

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 19.6 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 11.5 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 19.6 ft. 2 in.

b. Casing Removed: 19.6 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65% or 75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.
Water 7.5 gal.

Cement lb.
Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent. Grout

Amount 30 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED

6/10/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL.

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617. Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5.06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-50

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 18.4 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 10.7 ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 18.4 ft. 2 in.

b. Casing Removed: 18.4 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65% or 75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.

Cement lb.

Water 7.5 gal.

Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent-Grout

Amount 25 Collons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 5/11/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Signature of Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C.0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable)

P-53

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a; complete 4b; well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 24.0 ft Diameter: 2 in.

b. Water Level (Below Measuring Point): ft.

Measuring point is 2 ft. above land surface.

6. CASING:

Length

Diameter

a. Casing Depth (if known): 24 ft. 2 in.

b. Casing Removed: 24 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.
Water 7.5 gal.

Cement lb.
Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent. Grout

Amount 40 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/11/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE
WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF
THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well
in accordance with 15A NCAC 2C .0113.)

Mark E. Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617. Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #2789**1. WELL CONTRACTOR:**

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-56

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural☐ Recovery ☐ Injection ☐ Irrigation☐ Other (list use) Piezometer**3. WELL LOCATION:**

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees,
minutes, seconds, or in a
decimal formatLatitude/longitude source: ☐ GPS ☐ Topographic map(Location of well must be shown on a USGS topo map and
attached to this form if not using GPS.)4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b
(If a residential well, skip 4a, complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 280

5. WELL DETAILS:

a. Total Depth: 15 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): ft.

Measuring point is 2 ft. above land surface.

6. CASING: Length Diameter

a. Casing Depth (if known): 15 ft. 2 in.

b. Casing Removed: 15 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:Neat CementCement 94 lb.
Water 7.5 gal.Sand CementCement lb.
Water gal.Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent. Grout

Amount 25 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this
form showing total depth, depth and diameter of screens (if any) remaining
in the well, gravel interval, intervals of casing perforations, and depths and
types of fill materials used.**11. DATE WELL ABANDONED** 6/10/09I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE
WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF
THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Signature of Mark E. Seiler

SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09

DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well
in accordance with 15A NCAC 2C .0113.)

Signature of Mark E. Seiler

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) P-47

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Concord NC 282

5. WELL DETAILS:

a. Total Depth: 19.3 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): 10.1 ft.

Measuring point is 2 ft. above land surface.

6. CASING: Length Diameter

a. Casing Depth (if known): 19.3 ft. in.

b. Casing Removed: 19.3 ft. in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.

Cement lb.

Water 7.5 gal.

Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bont. Grout

Amount 30 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/11/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Signature of Mark E. Seiler
SIGNATURE OF CERTIFIED WELL CONTRACTOR

7/20/09
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C. 0113.)

Mark E Seiler
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2789

1. WELL CONTRACTOR:

Mark E. Seiler, Sr.

Well Contractor (Individual) Name

Red Dog Drilling

Well Contractor Company Name

STREET ADDRESS 216 Pinewood Lane

Midland NC 28107

City or Town State Zip Code

(704) - 888-5422

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MMW-12

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☒ Monitoring ☐ Residential

☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural

☐ Recovery ☐ Injection ☐ Irrigation

☐ Other (list use) Piezometer

3. WELL LOCATION:

COUNTY Mecklenburg QUADRANGLE NAME

NEAREST TOWN: Harrisburg - Concord

Allied Waste CMS V Landfill - Phase 2

(Street/Read Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

(Check appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable)

NAME OF FACILITY Speedway Landfill

STREET ADDRESS

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Allied Waste Systems

STREET ADDRESS 5105 Morehead Rd. Corcord NC 282

5. WELL DETAILS:

a. Total Depth: 40 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): ft.

Measuring point is 2 ft. above land surface.

6. CASING: Length Diameter

a. Casing Depth (if known): 40 ft. 2 in.

b. Casing Removed: 40 ft. 2 in.

7. DISINFECTION: HTH - 1 lb

(Amount of 65% - 75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement 94 lb.

Water 7.5 gal.

Cement lb.

Water gal.

Bentonite

Bentonite 5 lb.

Type: ☒ Slurry ☐ Pellets

Water 7.5 gal.

Other

Type material Bent. Grout

Amount 60 Gallons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Overdrill Hollow Stem Auger

Pull Casing - Screen

Tremie Grout 1" Pipe

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 6/11/09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR

DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

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